PATENT COOPERATION TREATY

INTERNATIONAL SEARCE	HING AUTH	ORITY				
To: DAVID A. CASIMIR MEDLEN & CARROLL, LLP			PCT			
101 HOWARD STREET, SUITE 350 SAN FRANCISCO, CA 94105			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				(PCT Rule 43bis.1)		
			Date of mailing (day/month/year)	3 0 AUG 2005		
Applicant's or agent's file reference UM-09753			FOR FURTHER ACTION See paragraph 2 below			
International application No).	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US05/09378		22 March 2005 (22.03.20	005)	22 March 2004 (22.03.2004)		
International Patent Classification (IPC) or both national classification			ion and IPC			
PC(7): A61K31/35,31/12; CO7C 49/23; CO7D 311/04 and US C1: 514/456,683,568/329;549/400,401						
Applicant						
THE REGENTS OF THE UNIVERSITY OF MICHIGAN						
1. This opinion contains indications relating to the following items:						
Box No. I	Basis of the opinion					
Box No. II	Priority					
Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV	Lack of unity of invention					
Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement					
Box No. VI	Certain documents cited					
Box No. VII	Certain defects in the international application					
Box No. VIII	Certain observations on the international application					
2. FURTHER ACTIO	N					
International Prelimina Authority other than th	ary Examinin is one to be	ng Authority ("IPEA") ex	ccept that this does IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1bis(b) ered.		
IPEA a written reply to	ogether, where or before the	e appropriate, with amend expiration of 22 months from	lments, before the exp	EA, the applicant is invited to submit to the piration of 3 months from the date of mailing whichever expires later.		
3. For further details, see i						
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450			Authorized officer	Bell-Harrisgn		

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Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/09378

Box No. I Basis of this opinion					
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.					
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).					
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
a. type of material					
a sequence listing					
table(s) related to the sequence listing					
b. format of material					
in written format					
in computer readable form					
c. time of filing/furnishing					
contained in international application as filed.					
filed together with the international application in computer readable form.					
furnished subsequently to this Authority for the purposes of search.					
In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.					
4. Additional comments:					

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/09378

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Claims 2-5,8-25	YES
Claims <u>1,6,7</u>	NO
Claims 2-5,8-25	YES
Claims <u>1,6,7</u>	NO
Claims 1-25	YES
Claims NONE	N0
	Claims 1,6,7 Claims 2-5,8-25 Claims 1,6,7 Claims 1-25

2. Citations and explanations:

Claims 1,6,7 lack novelty under PCT Article 33(2) as being anticipated by Cain CA 62:36588 which teach species according to the invention as an antitumor agent. See RN 1251-81-6.

Claims 1,6,7 lack novelty under PCT Article 33(2) as being anticipated by Cain CA 58:59491 which teach species according to the invention as an antitumor agent. See RN 2965-44-8; 93657-66-0; 94866-99-6; 95626-03-2 to name a few.

Claims 2-5,8-25 meet under PCT Article 33 (2)-(3) because they are not included in the above objections as the specific limitations of the claims are not taught.

Claims 1-25 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.